Tender No: KPA-EG-OT-05-21-22 **Closing Date/Time:** 28/01/2022 14:00

DY.CEE/G/KPA acting for and on behalf of The President of India invites E-Tenders against Tender No **KPA-EG-OT-05-21-22** Closing Date/Time 28/01/2022 14:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Survey, design , fabrication , supply , installation, testing & commissioning of 500 KWp capacity Rooftop solar power plants at different places in 1st phase at KPA Workshop.		
Bidding type	Normal Tender		
Tender Type	Open	**Bidding System**	Single Packet System
Tender Closing Date Time	28/01/2022 14:00	**Date Time Of Uploading Tender**	23/12/2021 13:39
Pre-Bid Conference Required	No	**Pre-Bid Conference Date Time**	Not Applicable
Advertised Value	21377070.00	**Tendering Section**	DYCEE/G
Bidding Style	Single Rate for Tender	**Bidding Unit**	Above/Below/Par
Earnest Money /Bid Security (Rs.)	0.00	**Validity of Offer (Days)**	90
Obtain Bid Security Declaration in lieu of Bid Security		Yes	
Tender Doc. Cost (Rs.)	0.00	**Period of Completion**	12 Months
Contract Type	Works	**Contract Category**	Expenditure
Bidding Start Date	14/01/2022	**Are Joint Venture (JV) firms allowed to bid**	Yes
Ranking Order For Bids	Lowest to Highest	**Expenditure Type**	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 1-Survey, design , fabrication , supply , installation, testing & commissioning of 500 KWp capacity Rooftop solar power plants at different places in 1st phase at KPA Workshop.(Rate including all taxes & charges)							21377070.00	
1	1	10.00	Set	2137707.00	21377070.00	AT Par	21377070.00	
1	**Description:-** Survey, design , fabrication , supply , installation, testing & commissioning of 50 KWp Roof Top Solar power plant for ONGRID System, Three Phase 50 KW power with voltage 200 V to 1000 V. (Materials & accessories of 50 KWp Solar Power Plant i.e. Solar PV Modules, Solar On Grid string Inverter, Module Mounting structure, cables, Earthing, Junction Boxes, Lugs and other required accessories as per Annexure).							

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have received contractual payments in the previous three financial years and the current financial year upto the date of opening of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client and/or Audited Balance Sheet duly certified by the Chartered Accountant etc.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

1	(a)The Bidder should be a Company/Firm//Corporation incorporated in India under the Companies Act,1956 or 2013 and having experience in installation and commissioning of Solar Power plants. Or A Limited Liability Partnership Firm(LLP) registered under section 12 of Limited Liability Partnership Act,2008 and having experience in Installation & Commissioning of Solar Power Plants. The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (Similar work includes Grid Connected SPV Power Plant systems executed with Any Central/State Govt. PSU, SNA's and Govt. Bodies.) (b)(i) In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender. Note: Separate completed works of minimum required values for each component shall also be considered for fulfillment of technical eligibility criteria. (b)(ii) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. Any work or set of works shall be considered to be a separate component, only when cost of the component is more than 2.0 Crores each. Tenders not accompanied by documentary evidence in support of eligibility criteria will be summarily rejected. No post tender communication, in any form will be made or entertained, after opening of tender, in its regard. Railways may however call for the original of the credential for verification or any clarifications / confirmation on the content of the document submitted.	No	No	Allowed (Mandatory)

Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. **(Click here** to download the Format of Self Certificatio)	No	No	Allowed (Mandatory)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

1	•WARRANTIES:- A)Material Warranty: a) Material Warranty is defined as: The firm should warrant the Solar Module(s) to be free from the defects and/or failures specified below for a period not less than five (05) years from the date of sale to the original customer ("Customer") . b) Defects and/or failures due to manufacturing. PAYMENT SCHEDULE: 1.40% Payment - Payment of 40% of contract value shall be released to contractor after supply of complete material at site (as per detailed BOQ but not limited) required for installation ,commissioning of 500 kWp Grid Connected SPV Power Plant duly certified by Railway Authority, submission of final drawings and approval of drawings from Railway Engineer In-charge. 2.30% Payment - Payment of 30% of contract value shall be released to contractor after erecting the complete Mechanical structures & fixing of all SPV Modules of 500 KWp grid connected solar plant. 3.20% Payment - Payment of 20% of contract value shall be released to contractor after successfully installation and commissioning of complete 500 kWp Grid Connected SPV Power Plant along with photographs of the installation and approval of NET METER/ZERO EXPORT DEVICE from DISCOM. 4. 10% Payment -2% Payment shall be released at the end of each year of completion of successful Operation & Maintenance for a period of 5 years warranty. The Works related to SPV Power Plant shall be carried out under the supervision of certified electrical contractor. Authority for Payment: All the payments relating to this contract will be made by WAO(IC)/E.Rly/ Kanchrapara through NFT. c) Defects and/or failures due to quality of materials. d) Non conformity to specifications due to faulty manufacturing and/or inspection processes. If the solar Module(s) fails to conform to this warranty, the firm will repair or replace the solar module(s), at the Owners sole option. B)Performance Warranty:- PV module must be warranted for Product Warranty minimum of 5 years and linear performance Warranty for 25 years with no more than 3% degradation in 1st year and 0.07% from year 2 to 25.	No	No	Allowed (Mandatory)
2	PAYMENT SCHEDULE: 1.40% Payment - Payment of 40% of contract value shall be released to contractor after supply of complete material at site (as per detailed BOQ but not limited) required for installation ,commissioning of 500 kWp Grid Connected SPV Power Plant duly certified by Railway Authority, submission of final drawings and approval of drawings from Railway Engineer In-charge. 2.30% Payment - Payment of 30% of contract value shall be released to contractor after erecting the complete Mechanical structures & fixing of all SPV Modules of 500 KWp grid connected solar plant. 3.20% Payment - Payment of 20% of contract value shall be released to contractor after successfully installation and commissioning of complete 500 kWp Grid Connected SPV Power Plant along with photographs of the installation and approval of NET METER/ZERO EXPORT DEVICE from DISCOM. 4. 10% Payment -2% Payment shall be released at the end of each year of completion of successful Operation & Maintenance for a period of 5 years warranty. The Works related to SPV Power Plant shall be carried out under the supervision of certified electrical contractor. Authority for Payment: All the payments relating to this contract will be made by WAO(IC)/E.Rly/ Kanchrapara through NFT.	No	No	Allowed (Mandatory)
3	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	TOOLS & TACKLES, SPARES and MANPOWERS: - • After completion of installation & commissioning of the power plant, necessary tools & tackles are to be provided free of cost by the firm for maintenance purpose. List of tools and tackles to be supplied by the Firm for approval of specifications and make. A list of requisite spares in case of PCU/inverter comprising of a set of control logic cards, IGBT driver cards etc. Junction Boxes. Fuses, MOVs / arrestors, MCCBs etc along with spare set of PV modules be indicated, which shall be supplied along with the equipment. A minimum set of spares shall be maintained in the plant itself for the entire period of warranty and provide necessary manpower as when required if any trouble arises. Yearly two times to be cleaned up to five years warranty periods.	No	No	Not Allowed

2	Submission of Documents in support of Eligibility Criteria :- The tenderer shall have submitted an undertaking that he is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was/is a partner/member (Format in Annexure- XII). Concealment/ wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.	No	No	Not Allowed
3	Inspection of Site :- The bidder shall visit the site & carryout the survey and upload the Site Visit Report indicating that the survey is carried out by the bidder. The tender submitted without site visit report will be rejected out rightly.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Annexure-I_a_I_b_IIIIIX-TechComp.pdf	Annexure
2	CheckList.pdf	Check list
3	ComlCompliance-IVVVIVIIVIIIIXXI.pdf	Compliance
4	E-Tender-OT-5-TD-Ch-III.pdf	E Tender
5	SCHEDULEOFWORK.pdf	SCHEDULE OF WORK
6	TN-20122021-012022OT-05.pdf	Tender Notice

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: GOPINATH HALDER

Designation : Dy.CEEW